

# INTERNATIONAL SEARCH REPORT

International Application No  
CT/GB2004/003016

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01L21/20 H01L51/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01L B41M H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/008464 A1 (CHRISTENSEN ALTON O) 24 January 2002 (2002-01-24) paragraph '0034!; figure 1	1, 25
Y	US 2002/172887 A1 (WOLK MARTIN B ET AL) 21 November 2002 (2002-11-21)	1-12, 25, 26
A	paragraph '0087! - paragraph '0096!; figures 5A-5D, 6A-6D	13
Y	WO 01/95384 A1 (THE UNIVERSITY OF LIVERPOOL; ECCLESTON, WILLIAM) 13 December 2001 (2001-12-13) page 6, line 15 - page 8, line 25; figure 7	1-12, 25, 26
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

10/02/2005

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Pusch, C

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/GB2004/003016

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/093017 A1 (ANDRY PAUL S ET AL) 18 July 2002 (2002-07-18) paragraph '0058! - paragraph '0067!; figure 1e	1-12,25, 26
Y	US 6 555 411 B1 (BAO ZHENAN ET AL) 29 April 2003 (2003-04-29) abstract	2,25,26
Y	WO 02/065557 A1 (SIEMENS AKTIENGESELLSCHAFT; BERNDS, ADOLF; FIX, WALTER; ROST, HENNING) 22 August 2002 (2002-08-22) abstract	10
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 132 (E-736), 31 March 1989 (1989-03-31) & JP 63 299297 A (MEIKO DENSHI KOGYO KK), 6 December 1988 (1988-12-06) abstract	13
A	US 2002/146893 A1 (SHIMODA TATSUYA ET AL) 10 October 2002 (2002-10-10) paragraph '0360! - paragraph '0364!; figures 31-34	13
Y	paragraphs '0165!, '0224!	4
P,A	US 2003/211665 A1 (BAO ZHENAN ET AL) 13 November 2003 (2003-11-13) abstract	1,13,25

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/003016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002008464 A1	24-01-2002	US 2001045798 A1 US 6229259 B1 EP 1380054 A1 WO 02080278 A1	29-11-2001 08-05-2001 14-01-2004 10-10-2002
US 2002172887 A1	21-11-2002	US 2001036561 A1 US 6221553 B1 US 6114088 A AU 2723700 A AU 4199799 A CN 1337905 T DE 60003281 D1 DE 60003281 T2 DE 69903978 D1 DE 69903978 T2 EP 1144197 A1 EP 1342585 A1 EP 1144198 A1 HK 1042675 A1 JP 2002534782 T WO 0041893 A1 WO 0041892 A1 US 2002197554 A1 US 6194119 B1 US 6140009 A US 6270944 B1 US 6214520 B1 US 6291116 B1 US 2001000744 A1 US 2002015907 A1	01-11-2001 24-04-2001 05-09-2000 01-08-2000 01-08-2000 27-02-2002 17-07-2003 06-05-2004 19-12-2002 17-07-2003 17-10-2001 10-09-2003 17-10-2001 25-06-2004 15-10-2002 20-07-2000 20-07-2000 26-12-2002 27-02-2001 31-10-2000 07-08-2001 10-04-2001 18-09-2001 03-05-2001 07-02-2002
WO 0195384 A1	13-12-2001	AU 6050001 A EP 1287551 A1 JP 2003536260 T US 2003170937 A1	17-12-2001 05-03-2003 02-12-2003 11-09-2003
US 2002093017 A1	18-07-2002	CN 1366351 A JP 2002280391 A TW 522572 B	28-08-2002 27-09-2002 01-03-2003
US 6555411 B1	29-04-2003	NONE	
WO 02065557 A1	22-08-2002	DE 10105914 C1 EP 1358684 A1 JP 2004518305 T US 2004219460 A1	10-10-2002 05-11-2003 17-06-2004 04-11-2004
JP 63299297 A	06-12-1988	NONE	
US 2002146893 A1	10-10-2002	JP 10125931 A JP 10125930 A JP 10125929 A JP 11026734 A US 2003224582 A1 US 2004219762 A1 CN 1199507 A ,C EP 1351308 A1 EP 0858110 A1	15-05-1998 15-05-1998 15-05-1998 29-01-1999 04-12-2003 04-11-2004 18-11-1998 08-10-2003 12-08-1998

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/GB2004/003016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002146893 A1		WO 9809333 A1	05-03-1998
		JP 11074533 A	16-03-1999
		JP 2004140380 A	13-05-2004
		JP 2004140381 A	13-05-2004
		JP 2004140382 A	13-05-2004
		JP 2004140383 A	13-05-2004
		US 6372608 B1	16-04-2002
		US 6127199 A	03-10-2000
		US RE38466 E1	16-03-2004
US 2003211665 A1	13-11-2003	NONE	